

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-144
June 1, 2004

For drilling and production facilities, submit to appropriate NMOCD District Office.
For downstream facilities, submit to Santa Fe office

Pit or Below-Grade Tank Registration or Closure

Is pit or below-grade tank covered by a "general plan"? Yes ☐ No ☒

Type of action: Registration of a pit or below-grade tank ☒ Closure of a pit or below-grade tank ☐

Operator: <u>Cimarex Energy Co.</u> Telephone: <u>972-401-3111</u> e-mail address: <u>zfarris@cimarex.com</u>		
Address: <u>PO Box 140907, Irving, TX 75014-0907</u>		
Facility or well name: <u>Huron 13 Fee No 4</u> API #: <u>30-025-38601</u> U/L or Qtr/Qtr <u>C</u> Sec <u>13</u> T <u>15S</u> R <u>37E</u>		
County: <u>Lea</u> Latitude <u>33° 01' 24.33 N</u> Longitude <u>103° 09' 23.63 W</u> NAD: 1927 ☐ 1983 ☒		
Surface Owner: Federal ☐ State ☐ Private ☒ Indian ☐		
Pit Type: Drilling ☒ Production ☐ Disposal ☐ Workover ☐ Emergency ☐ Lined ☒ Unlined ☐ Liner type: Synthetic ☒ Thickness <u>12</u> mil Clay ☐ Pit Volume <u> </u> bbl closed system, cuttings hauled	Below-grade tank Volume: <u> </u> bbl Type of fluid: <u> </u> Construction material: <u> </u> Double-walled, with leak detection? Yes ☐ If not, explain why not: <u> </u>	
Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.) <u>53</u>	Less than 50 feet <u>50 feet or more, but less than 100 feet</u> 100 feet or more	(20 points) (10 points) (0 points)
Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)	Yes <u>No</u>	(20 points) (0 points)
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	Less than 200 feet 200 feet or more, but less than 1000 feet <u>1000 feet or more</u>	(20 points) (10 points) (0 points)
	Ranking Score (Total Points)	10

If this is a pit closure: (1) Attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location: (check the onsite box if you are burying in place) onsite ☐ offsite ☐ If offsite, name of facility . (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No ☐ Yes ☐ If yes, show depth below ground surface ft. and attach sample results. (5) Attach soil sample results and a diagram of sample locations and excavations.

Additional Comments:

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☒, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Date: 10.31.07

Printed Name/Title Zeno Farris - Manager Operations Administration Signature Zeno Farris

Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or regulations.

Approval:

Printed Name/Title CHRIS WILLIAMS / DIST. SUPV Signature Chris Williams Date: 11/2/07

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State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

Form C-102
Revised October 12, 2005

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-38601	Pool Code 17290	Pool Name Denton; Wolfcamp
Property Code 36820	Property Name HURON "13" FEE	Well Number 4
OCRID No. 215099	Operator Name CIMAREX ENERGY CO.	Elevation 3778'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	13	15 S	37 E		430	NORTH	1750	WEST	LEA

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	13	15 S	37 E		2210	NORTH	1750	WEST	LEA
Dedicated Acres 80		Joint or Infill		Consolidation Code		Order No.			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	SURFACE LOCATION Lat - N33°01'24.33" Long - W103°09'23.63" NMSPCE - N 738078.0 E 902022.5 (NAD-83)
	BOTTOM HOLE LOCATION Lat - N33°01'02.5" Long - W103°09'23.6" NMSPCE - N 735868.147 E 902049.435 (NAD-83)

OPERATOR CERTIFICATION	
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.	
	10-31-07
Signature	Date
Zeno Farris	
Printed Name	
SURVEYOR CERTIFICATION	
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my belief.	
OCTOBER 23, 2007	
Date Surveyed	
Signature of Gary L. Jones	
Professional Surveyor	
W.O. Jones	
Certificate No. Gary L. Jones 7977	
BASIN SURVEYS	



Weatherford[®]

Drilling Services

30-025-38601

Proposal



HURON 13 FEE #4

LEA COUNTY, NEW MEXICO

WELL FILE: **PLAN 1**

NOVEMBER 23, 2007

Weatherford International, Ltd.

P.O. Box 61028

Midland, TX 79711 USA

+1.432.561.8892 Main

+1.432.561.8895 Fax

www.weatherford.com



HURON 13 FEE #4 LEA COUNTY, NEW MEXICO



Weatherford®

SECTION DETAILS

Sec	MD	Inc	AA	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0 00	0 00	180 00	0 00	0 00	0 00	0 00	0 00	0 00	
2	9151 01	0 00	180 00	9151 01	0 00	0 00	0 00	0 00	0 00	
3	9451 01	90 00	180 00	9342 00	-190 99	0 00	30 00	180 00	190 99	
4	11470 03	90 00	180 00	9342 00	-2210 00	0 00	0 00	0 00	2210 00	PBHL

WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
#4	0 00	0 00	738078 00	902022 50	33°01'24 317N	103°09'23 651W	N/A

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
PBHL	8535 00	517 64	-1931 85	4178183 34	694468 21	Point

FIELD DETAILS

Lea Co., NM (NAD 83)

Geodetic System US State Plane Coordinate System 1983
Ellipsoid GRS 1980
Zone New Mexico, Eastern Zone
Magnetic Model bggm2006
System Datum Mean Sea Level
Local North True North

SITE DETAILS

HURON 13 FEE #4
430' FNL 1750' FWL of SEC 13 T-15-S R-37-E

Site Centre Northing 738078 00
Easting 902022 50

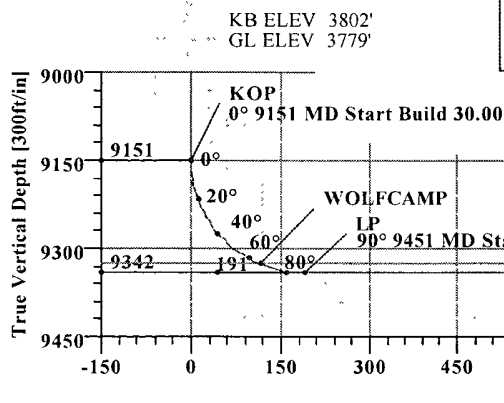
Ground Level 3779 00
Positional Uncertainty 0 00
Convergence 0 64



Azimuths to True North
Magnetic North 7 92°

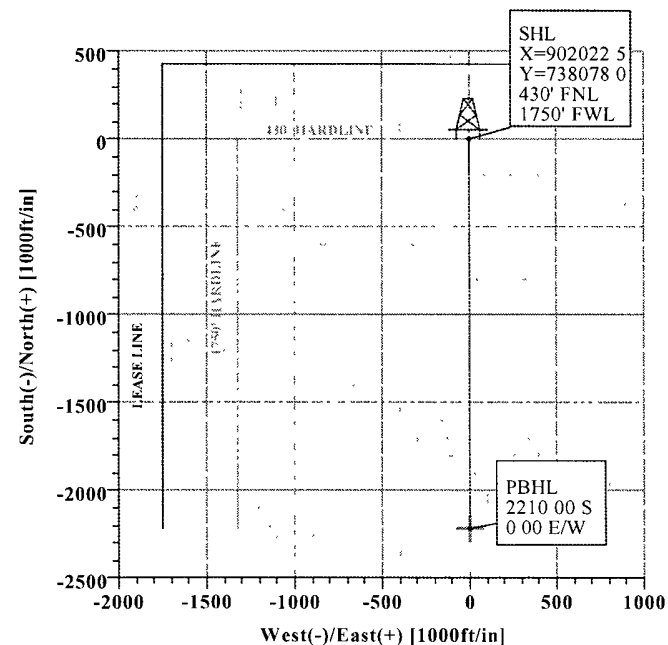
Magnetic Field
Strength 49592nT
Dip Angle 61 12°
Date 10/31/2007
Model bggm2006

TOTAL CORRECTION TO TRUE NORTH 7.92°



FORMATION TOP DETAILS

No.	TVDPath	MDPath	Formation
1	2123.00	2123.00	RUSTLER
2	3142.00	3142.00	YATES
3	3320.00	3320.00	SEVEN RIVERS
4	3932.00	3932.00	QUEEN
5	4272.00	4272.00	GRAYBURG
6	4413.00	4413.00	SAN ANDRES
7	6671.00	6671.00	GLORIETA
8	6905.00	6905.00	BLINEBRY
9	7466.00	7466.00	TUBB
10	7733.00	7733.00	DRINKARD
11	8142.00	8142.00	ABO
12	9326.00	9372.28	WOLFCAMP



Plan Plan #1 (#4/1)

Created By Lindsey Maddux

Date 11/1/2007



Weatherford International, Inc.

Proposal Plan Report



Weatherford

Company: Cimarex		Date: 11/1/2007		Time: 16:26:46		Page: 1	
Field: Lea Co., NM (NAD 83)		Co-ordinate(N/E) Reference:		Site: HURON 13 FEE #4, True North			
Site: HURON 13 FEE #4		Vertical (TVD) Reference:		SITE: 3802.0			
Well: #4		Section (VS) Reference:		Well: (0.00N, 0.00E, 180.00Azi)			
Wellpath: 1		Survey Calculation Method:		Minimum Curvature		Db: Sybase	

Plan: Plan #1	Date Composed: 11/1/2007
Principal: Yes	Version: 1
	Tied-to: From Surface

Field: Lea Co., NM (NAD 83)	
Map System: US State Plane Coordinate System 1983	Map Zone: New Mexico, Eastern Zone
Geo Datum: GRS 1980	Coordinate System: Site Centre
Sys Datum: Mean Sea Level	Geomagnetic Model: bggm2006

Site: HURON 13 FEE #4	
430' FNL 1750' FWL of SEC 13 T-15-S R-37-E	
Site Position:	Northing: 738078.00 ft
From: Map	Easting: 902022.50 ft
Position Uncertainty: 0.00 ft	Latitude: 33 1 24.317 N
Ground Level: 3779.00 ft	Longitude: 103 9 23.651 W
	North Reference: True
	Grid Convergence: 0.64 deg

Well: #4		Slot Name:	
Well Position: +N/-S 0.00 ft	Northing: 738078.00 ft	Latitude: 33 1 24.317 N	
+E/-W 0.00 ft	Easting: 902022.50 ft	Longitude: 103 9 23.651 W	
Position Uncertainty: 0.00 ft			

Wellpath: 1		Drilled From: Surface	
		Tie-on Depth: 0.00 ft	
Current Datum: SITE	Height: 3802.00 ft	Above System Datum: Mean Sea Level	
Magnetic Data: 10/31/2007		Declination: 7.92 deg	
Field Strength: 49592 nT		Mag Dip Angle: 61.12 deg	
Vertical Section: Depth From (TVD)	+N/-S	+E/-W	Direction
ft	ft	ft	deg
0.00	0.00	0.00	180.00

Plan Section Information											
MD	Incl	Azim	TVD	+N/-S	+E/-W	DLS	Build	Turn	TFO	Target	
ft	deg	deg	ft	ft	ft	deg/100ft	deg/100ft	deg/100ft	deg		
0.00	0.00	180.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
9151.01	0.00	180.00	9151.01	0.00	0.00	0.00	0.00	0.00	0.00		
9451.01	90.00	180.00	9342.00	-190.99	0.00	30.00	30.00	0.00	180.00		
11470.03	90.00	180.00	9342.00	-2210.00	0.00	0.00	0.00	0.00	0.00	PBHL	

Survey										
MD	Incl	Azim	TVD	N/S	E/W	VS	Build	Turn	DLS	Comment
ft	deg	deg	ft	ft	ft	ft	deg/100ft	deg/100ft	deg/100ft	
9100.00	0.00	180.00	9100.00	0.00	0.00	0.00	0.00	0.00	0.00	
9151.01	0.00	180.00	9151.01	0.00	0.00	0.00	0.00	0.00	0.00	KOP
9160.00	2.70	180.00	9160.00	-0.21	0.00	0.21	30.00	0.00	30.00	
9170.00	5.70	180.00	9169.97	-0.94	0.00	0.94	30.00	0.00	30.00	
9180.00	8.70	180.00	9179.89	-2.20	0.00	2.20	30.00	0.00	30.00	
9190.00	11.70	180.00	9189.73	-3.97	0.00	3.97	30.00	0.00	30.00	
9200.00	14.70	180.00	9199.46	-6.25	0.00	6.25	30.00	0.00	30.00	
9210.00	17.70	180.00	9209.07	-9.04	0.00	9.04	30.00	0.00	30.00	
9220.00	20.70	180.00	9218.51	-12.32	0.00	12.32	30.00	0.00	30.00	
9230.00	23.70	180.00	9227.77	-16.10	0.00	16.10	30.00	0.00	30.00	
9240.00	26.70	180.00	9236.82	-20.36	0.00	20.36	30.00	0.00	30.00	
9250.00	29.70	180.00	9245.63	-25.08	0.00	25.08	30.00	0.00	30.00	
9260.00	32.70	180.00	9254.18	-30.26	0.00	30.26	30.00	0.00	30.00	
9270.00	35.70	180.00	9262.45	-35.88	0.00	35.88	30.00	0.00	30.00	
9280.00	38.70	180.00	9270.42	-41.93	0.00	41.93	30.00	0.00	30.00	
9290.00	41.70	180.00	9278.05	-48.38	0.00	48.38	30.00	0.00	30.00	
9300.00	44.70	180.00	9285.34	-55.22	0.00	55.22	30.00	0.00	30.00	



Weatherford International, Inc.

Proposal Plan Report

**Weatherford**

Company: Cimarex
Field: Lea Co., NM (NAD 83)
Site: HURON-13 FEE #4
Well: #4
Wellpath: 1

Date: 11/1/2007
Co-ordinate(NE) Reference: Site: HURON-13 FEE #4, True North
Vertical (TVD) Reference: SITE 3802.0
Section (VS) Reference: Well (0.00N, 0.00E, 180.00Azi)
Survey Calculation Method: Minimum Curvature
Db: Sybase

Time: 16:26:46
Page: 2

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	Build deg/100ft	Turn deg/100ft	DLS deg/100ft	Comment
9310.00	47.70	180.00	9292.26	-62.44	0.00	62.44	30.00	0.00	30.00	
9320.00	50.70	180.00	9298.80	-70.01	0.00	70.01	30.00	0.00	30.00	
9330.00	53.70	180.00	9304.93	-77.91	0.00	77.91	30.00	0.00	30.00	
9340.00	56.70	180.00	9310.63	-86.12	0.00	86.12	30.00	0.00	30.00	
9350.00	59.70	180.00	9315.90	-94.62	0.00	94.62	30.00	0.00	30.00	
9360.00	62.70	180.00	9320.72	-103.38	0.00	103.38	30.00	0.00	30.00	
9370.00	65.70	180.00	9325.07	-112.38	0.00	112.38	30.00	0.00	30.00	
9372.28	66.38	180.00	9326.00	-114.46	0.00	114.46	30.00	0.00	30.00	WOLFCAMP
9380.00	68.70	180.00	9328.95	-121.60	0.00	121.60	30.00	0.00	30.00	
9390.00	71.70	180.00	9332.34	-131.00	0.00	131.00	30.00	0.00	30.00	
9400.00	74.70	180.00	9335.23	-140.58	0.00	140.58	30.00	0.00	30.00	
9410.00	77.70	180.00	9337.61	-150.29	0.00	150.29	30.00	0.00	30.00	
9420.00	80.70	180.00	9339.49	-160.11	0.00	160.11	30.00	0.00	30.00	
9430.00	83.70	180.00	9340.85	-170.01	0.00	170.01	30.00	0.00	30.00	
9440.00	86.70	180.00	9341.68	-179.98	0.00	179.98	30.00	0.00	30.00	
9450.00	89.70	180.00	9342.00	-189.97	0.00	189.97	30.00	0.00	30.00	
9451.01	90.00	180.00	9342.00	-190.99	0.00	190.99	30.00	0.00	30.00	LP
9500.00	90.00	180.00	9342.00	-239.97	0.00	239.97	0.00	0.00	0.00	
9600.00	90.00	180.00	9342.00	-339.97	0.00	339.97	0.00	0.00	0.00	
9700.00	90.00	180.00	9342.00	-439.97	0.00	439.97	0.00	0.00	0.00	
9800.00	90.00	180.00	9342.00	-539.97	0.00	539.97	0.00	0.00	0.00	
9900.00	90.00	180.00	9342.00	-639.97	0.00	639.97	0.00	0.00	0.00	
10000.00	90.00	180.00	9342.00	-739.97	0.00	739.97	0.00	0.00	0.00	
10100.00	90.00	180.00	9342.00	-839.97	0.00	839.97	0.00	0.00	0.00	
10200.00	90.00	180.00	9342.00	-939.97	0.00	939.97	0.00	0.00	0.00	
10300.00	90.00	180.00	9342.00	-1039.97	0.00	1039.97	0.00	0.00	0.00	
10400.00	90.00	180.00	9342.00	-1139.97	0.00	1139.97	0.00	0.00	0.00	
10500.00	90.00	180.00	9342.00	-1239.97	0.00	1239.97	0.00	0.00	0.00	
10600.00	90.00	180.00	9342.00	-1339.97	0.00	1339.97	0.00	0.00	0.00	
10700.00	90.00	180.00	9342.00	-1439.97	0.00	1439.97	0.00	0.00	0.00	
10800.00	90.00	180.00	9342.00	-1539.97	0.00	1539.97	0.00	0.00	0.00	
10900.00	90.00	180.00	9342.00	-1639.97	0.00	1639.97	0.00	0.00	0.00	
11000.00	90.00	180.00	9342.00	-1739.97	0.00	1739.97	0.00	0.00	0.00	
11100.00	90.00	180.00	9342.00	-1839.97	0.00	1839.97	0.00	0.00	0.00	
11200.00	90.00	180.00	9342.00	-1939.97	0.00	1939.97	0.00	0.00	0.00	
11300.00	90.00	180.00	9342.00	-2039.97	0.00	2039.97	0.00	0.00	0.00	
11400.00	90.00	180.00	9342.00	-2139.97	0.00	2139.97	0.00	0.00	0.00	
11470.03	90.00	180.00	9342.00	-2210.00	0.00	2210.00	0.00	0.00	0.00	PBHL

Targets

Name	Description Dip.	Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	Latitude Deg Min Sec	Longitude Deg Min Sec
PBHL			9342.00	-2210.00	0.00	735868.14	902047.24	33 1 2 453 N	103 9 23 650 W

Formations

MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
2123.00	2123.00	RUSTLER		0.00	0.00
3142.00	3142.00	YATES		0.00	0.00
3320.00	3320.00	SEVEN RIVERS		0.00	0.00
3932.00	3932.00	QUEEN		0.00	0.00



Weatherford International, Inc.

Proposal Plan Report

**Weatherford**

Company: Cimarex
Field: Lea Co , NM (NAD 83)
Site: HURON 13 FEE #4
Well: #4
Wellpath: 1

Date: 11/1/2007 Time: 16:26:46 Page: 3
Co-ordinate(NE) Reference: Site: HURON 13 FEE #4; True North
Vertical (TVD) Reference: SITE 3802.0
Section (VS) Reference: Well: (0.00N, 0.00E, 180.00Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Formations

MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
4272.00	4272.00	GRAYBURG		0.00	0.00
4413.00	4413.00	SAN ANDRES		0.00	0.00
6671.00	6671.00	GLORIETA		0.00	0.00
6905.00	6905.00	BLINEBRY		0.00	0.00
7466.00	7466.00	TUBB		0.00	0.00
7733.00	7733.00	DRINKARD		0.00	0.00
8142.00	8142.00	ABO		0.00	0.00
9372.28	9326.00	WOLFCAMP		0.00	0.00
	0.00	WOLFCAMP B		0.00	0.00

Annotation

MD ft	TVD ft	
9151.01	9151.01	KOP
9451.01	9342.00	LP
11470.02	9342.00	PBHL

Casing Points

MD	TVD	Diameter	Hole Size	Name